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CLAIMS:

What is claimed is:

1. A method in a data processing system, said method comprising the steps of:

receiving a request for a secure Web page, said secure Web page including data;

determining whether said data has been pre-encrypted; and

bypassing an encryption step and transmitting said data in response to a determination that said data has been pre-encrypted.

2. The method according to claim 1, further comprising the step of in response to a determination that said data has not been pre-encrypted, encrypting said data and transmitting said encrypted data.

3. The method according to claim 2, further comprising the step of in response to a determination that said data has not been pre-encrypted, storing said encrypted data.

4. The method according to claim 3, further comprising the step of storing said encrypted data in a cache.

5. The method according to claim 1, further comprising the steps of:

receiving a request for an image included within said Web page;

checking a cache to determine whether a pre-encrypted version of said image is already stored in said cache;

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in response to a determination that said pre-encrypted version is stored in said cache, bypassing an encryption step and transmitting said pre-encrypted version; and

5   in response to a determination that said pre-encrypted version is not stored in said cache, encrypting said image and transmitting said encrypted image.

10   6.   The method according to claim 1, further comprising the steps of:

receiving said request for said secure Web page, said secure Web page including static information and dynamically-changing information;

15   determining whether said static information has been pre-encrypted;

bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;

20   encrypting said dynamically-changing information; and

transmitting said encrypted, dynamically-changing information.

25   7.   The method according to claim 1, wherein said data processing system further includes a server computer system coupled to a client computer system utilizing a network, said method further comprising the steps of:

receiving a request for said Web page by said

30   server;

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establishing a Secure Sockets Layer (SSL) session between said client and said server in response to said client transmitting said request;

associating a cache with said SSL session;

5   determining whether a pre-encrypted version of said data has been stored in said cache in response to said receipt of said request;

in response to a determination that said pre-encrypted version of said data has not been stored in

10   said cache, encrypting said data and transmitting said encrypted data; and

in response to a determination that said pre-encrypted version of said data has been stored in said cache, transmitting said pre-encrypted version of

15   said data.

8.   The method according to claim 1, further comprising the step of maintaining said Web page by a secure Web site.

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9.   A computer program product in a data processing system, comprising:

instruction means for receiving a request for a secure Web page, said secure Web page including data;

25   instruction means for determining whether said data has been pre-encrypted; and

instruction means for bypassing an encryption step and transmitting said data in response to a determination that said data has been pre-encrypted.

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10.   The product according to claim 9, further comprising instruction means for in response to a determination that

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said data has not been pre-encrypted, encrypting said
data and transmitting said encrypted data.

11.   The product according to claim 10, further
5   comprising instruction means for in response to a
determination that said data has not been pre-encrypted,
storing said encrypted data.

12.   The product according to claim 11, further
10   comprising instruction means for storing said encrypted
data in a cache.

13.   The product according to claim 9, further
comprising:
15   instruction means for receiving a request for an
image included within said Web page;
     instruction means for checking a cache to determine
whether a pre-encrypted version of said image is already
stored in said cache;
20   instruction means for in response to a determination
that said pre-encrypted version is stored in said cache,
bypassing an encryption step and transmitting said
pre-encrypted version; and
     instruction means for in response to a determination
25   that said pre-encrypted version is not stored in said
cache, encrypting said image and transmitting said
encrypted image.

14.   The product according to claim 9, further
30   comprising:

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instruction means for receiving said request for said secure Web page, said secure Web page including static information and dynamically-changing information;

instruction means for determining whether said

5   static information has been pre-encrypted;

instruction means for bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;

10   instruction means for encrypting said dynamically-changing information; and

instruction means for transmitting said encrypted, dynamically-changing information.

15   15.   The product according to claim 9, wherein said data processing system further includes a server computer system coupled to a client computer system utilizing a network, said product further comprising:

instruction means for receiving a request for said

20   Web page by said server;

instruction means for establishing a Secure Sockets Layer (SSL) session between said client and said server in response to said client transmitting said request;

instruction means for associating a cache with said

25   SSL session;

instruction means for determining whether a pre-encrypted version of said data has been stored in said cache in response to said receipt of said request;

instruction means for in response to a determination

30   that said pre-encrypted version of said data has not been stored in said cache, encrypting said data and transmitting said encrypted data; and

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instruction means for in response to a determination that said pre-encrypted version of said data has been stored in said cache, transmitting said pre-encrypted version of said data.

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16. The product according to claim 9, further comprising instruction means for maintaining said Web page by a secure Web site.

10 17. A data processing system, comprising:

a request being received by said data processing system for a secure Web page, said secure Web page including data;

said data processing system including a CPU
15 executing code for determining whether said data has been pre-encrypted; and

said data processing system including a CPU executing code for bypassing an encryption step and transmitting said data in response to a determination
20 that said data has been pre-encrypted.

18. The system according to claim 17, further comprising in response to a determination that said data has not been pre-encrypted, said CPU executing code for
25 encrypting said data and transmitting said encrypted data.

19. The system according to claim 18, further comprising in response to a determination that said data has not
30 been pre-encrypted, said CPU executing code for storing said encrypted data.

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20. The system according to claim 19, further comprising a cache for storing said encrypted data.

21. The system according to claim 17, further
5 comprising:
        said Web page including a request for an image included within said Web page;
        said CPU executing code for checking a cache to determine whether a pre-encrypted version of said image
10 is already stored in said cache;
        in response to a determination that said pre-encrypted version is stored in said cache, said CPU executing code for bypassing an encryption step and transmitting said pre-encrypted version; and
15   in response to a determination that said pre-encrypted version is not stored in said cache, said CPU executing code for encrypting said image and transmitting said encrypted image.

20 22. The system according to claim 17, further comprising:
        said secure Web page including static information and dynamically-changing information;
        said CPU executing code for determining whether said
25 static information has been pre-encrypted;
        said CPU executing code for bypassing an encryption step and transmitting said static information in response to a determination that said static information has been pre-encrypted;
30   said CPU executing code for encrypting said dynamically-changing information; and

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said CPU executing code for transmitting said
encrypted, dynamically-changing information.

23.   The system according to claim 17, wherein said data

5   processing system further includes a server computer
system coupled to a client computer system utilizing a
network, further comprising:
        said server for receiving a request for said Web
page;

10   a Secure Sockets Layer (SSL) session being
established between said client and said server in
response to said client transmitting said request;
        a cache associated with said SSL session;
        said CPU executing code for determining whether a

15   pre-encrypted version of said data has been stored in
said cache in response to said receipt of said request;
        in response to a determination that said
pre-encrypted version of said data has not been stored in
said cache, said CPU executing code for encrypting said

20   data and transmitting said encrypted data; and
        in response to a determination that said
pre-encrypted version of said data has been stored in
said cache, said CPU executing code for transmitting said
pre-encrypted version of said data.

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24.   The system according to claim 17, further comprising
said Web page being maintained by a secure Web site.